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(54) Title: HIGH REFRACTION FILM, HIGH REFRACTION FILM-FORMING COATING COMPOSITION, ANTI-REFLECTION FILM, PROTECTIVE FILM FOR POLARIZING PLATE, POLARIZING PLATE AND IMAGE DISPLAY DEVICE

(57) Abstract: A high refraction film, an anti-reflection film, a protective film for polarizing plate, a polarizing plate and an image display device excellent in weathering resistance are provided. The high refraction film comprises inorganic fine particles having an average particle diameter of from 1 to 200 nm comprising titanium dioxide as a main component and has a refractive index of from 1.55 to 2.40. The anti-reflection film comprises a transparent support and a high refraction film formed thereon. The polarizing plate comprises a polarizing film and two protective films having said polarizing film interposed therebetween, wherein an anti-reflection film is used as at least one of the two protective films or wherein an anti-reflection film is used as one protective film and an optically compensated film having optical isomerism is used as another protective sheet. The image display device has a structure comprising an anti-reflection film or a polarizing plate disposed on the image display surface thereof.

Abstract

A high refraction film, an anti-reflection film, a protective film for polarizing plate, a polarizing plate and an image display device excellent in weathering resistance are provided. The high refraction film comprises inorganic fine particles having an average particle diameter of from 1 to 200 nm comprising titanium dioxide as a main component and has a refractive index of from 1.55 to 2.40. The anti-reflection film comprises a transparent support and a high refraction film formed thereon. The polarizing plate comprises a polarizing film and two protective films having said polarizing film interposed therebetween, wherein an anti-reflection film is used as at least one of the two protective films or wherein an anti-reflection film is used as one protective film and an optically compensated film having optical isomerism is used as another protective sheet. The image display device has a structure comprising an anti-reflection film or a polarizing plate disposed on the image display surface thereof.